

DOCKET NO: 292358US0PCT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :
KENICHI MOTOYAMA, ET AL. : ATTN: APPLICATION DIVISION
SERIAL NO: NEW U.S. PCT APPLICATION :
(BASED ON PCT/JP04/18921)
FILED: HEREWITH :
FOR: WATER REPELLENT COATING :
FILM HAVING LOW REFRACTIVE
INDEX

PRELIMINARY AMENDMENT

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

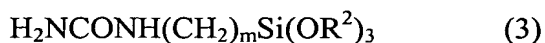
Prior to examination on the merits, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 6 of this paper.

Remarks/Arguments begin on page 17 of this paper.

Please replace Formula (3) at page 6, line 20, with the following rewritten paragraph:



Please replace the paragraph beginning at page 21, line 25 to page 22, line 4, with the following rewritten paragraph:

Conditions for gas chromatography: Apparatus: Shimadzu GC-14B, column: capillary column CBP1-W25-100 (25 mm \times 0.53 mm ϕ \times 1 μ m), column temperature: the column temperature was controlled by using a temperature raising program. The temperature was raised from the initial temperature of 50°C at a rate of 15°C/min to the ultimate temperature of 240°C (3 13 minutes).

Please replace the paragraph beginning at page 22, line 5, with the following rewritten paragraph:

Injected amount of sample: 1 ~~μ m~~ μ L, injection temperature: 200°C, detector temperature: 240°C, carrier gas: nitrogen (flow rate 30 mL/min), detection method: FID method.

Please replace the paragraph beginning at page 25, line 15 to page 26, line 2, with the following rewritten paragraph:

70.6 g of ethanol was charged into a four-necked reaction flask equipped with a reflux condenser, and 12.0 g of oxalic acid was gradually added to this ethanol with stirring, to prepare an ethanol solution of oxalic acid. Then, this solution was heated to its reflux temperature, and a mixture comprising 9.4 g of tetraethoxysilane, 6.2 g of tridecafluorooctyltrimethoxysilane [$\text{CF}_3\text{C}_5\text{F}_{10}\text{C}_2\text{H}_4\text{Si}(\text{OCH}_3)_3$], 1.2 g of γ -glycidoxypentyltrimethoxysilane and 0.6 g of γ -aminopentyltrimethoxysilane, was dropwise

added to this solution under reflux. After completion of the dropwise addition, heating was continued for 5 hours under reflux, followed by cooling to obtain a polysiloxane solution (L₆). This solution (L₆) was analyzed by gas chromatography, whereby no ~~alkoxide~~ alkoxysilane monomer was detected.